TOPIC	Y	NY
DISTANCE, MIDPOINT, DIVISION POINT		
How to find the DISTANCE between two points		
How to find the MIDPOINT between two points		
How to find the ENDPOINT , given a midpoint and another endpoint		
How to find the DIVISION POINT given a RATIO		
How to find the DIVISION POINT given a FRACTION		
ISOLATING VARIABLES		
How to ISOLATE a VARIABLE (get the 'x' or the 'y' by itself)		
BUILDING RULES FOR LINEAR FUNCTIONS		
• How to identify INDEPENDENT and DEPENDENT variables in a WORD PROBLEM		
• How to express an equation in ' Y = AX + B ' form starting from a WORD PROBLEM		
• How to identify the INITIAL VALUE ('b') on a GRAPH (Y-intercept)		
• How to identify an X-INTERCEPT on a graph (and add the '0' to the y coordinate)		
• How to find the SLOPE of a line ('a = $\frac{y_2 - y_1}{x_2 - x_1}$)		
• How to find the EQUATION of a line given the SLOPE and a POINT on the line		
How to find the EQUATION of a line given TWO POINTS on the line		
How to find an X-INTERCEPT, given an EQUATION		
How to find a Y-INTERCEPT , given an EQUATION .		
PARALLEL AND PERPENDICULAR LINES		
How to find the EQUATION of a line PARALLEL to a given line		
How to find the EQUATION of a line PERPENDICULAR to a given line		
SYSTEMS OF EQUATIONS		
• How to TRANSLATE a STORY into a SYSTEM OF EQUATIONS (make the equations)		
How to determine the NUMBER OF SOLUTIONS in a SYSTEM		
• (parallel (0), different slopes (1), parallel and coincident (same line, INFINITE)		
How to SOLVE a SYSTEM OF EQUATIONS (find both 'x' and 'y')		